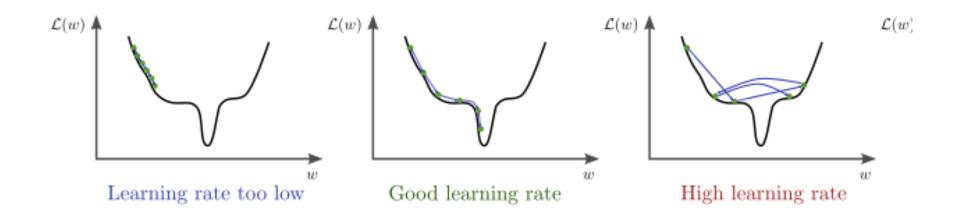


Learning Rate Decay

As we saw, based on the learning rate we can have the following situation:







Learning Rate Decay

$$\alpha = \frac{1}{1 + decay - rate * epoch - num} \alpha_0$$

Example:

Other formulas:

$$\alpha = \beta^{epoch-num}\alpha_0$$
 with $\beta \in (0,1)$ - Exponentially Decay

$$\alpha = \frac{k}{\sqrt{epoch-num}} \alpha_0$$
 with $k > 1$